B215
Two Port Multi-Type Floppy Disk Controller User's Manual

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INTRODUCTION:

B215 IS A INTELLIGMENT FLOPPY DISK CONTROLLER WHICH IS DESIGNED AS PER THE NEW SPECIFICATIONS OF DISK DRIVERS OF PC/XT™, PC/AT™, PC/AT™-386.

IT IS SUPPORTED TO BE USED AS A INTERFACE CARD ON YOUR PC/XT™ PC/AT™, PC/AT™-386 SYSTEM.

THE MOST POWERFULL FUCTION OF B215 FLOPPY DISK CONTROLLER IS THAT YOU CAN USE TWO FLOPPY DISK DRIVER, AND FORMAT < READ, WARITE > ANY KINDS OF DISK DRIVE SUCH AS 5.25" 360KB/1.2MB OR 3.5" 720KB/1.44MB DISK DRIVES. WHEN YOU USE B215 CARD, YOU DO NOT CARE THAT YOUR SYSTEM IS PC/XT™, PC/AT™, OR PC/AT™-386; YOU DO NOT CARE THAT YOUR SYSTEM BIOS IS AWARD, PHOENIX, OR AMI. . . .; AND THE SETUP < DIAGNOSTIC > PROGRAM IS SUPPORTED TO INSTALL 720KB/1.44MB DISK DRIVES FUNCTION OR NOT. ANY KINDS OF SYSTEM WITH DISK DRIVES CAN BE RUN UNDER B215 CARD.

NOTE: IF YOU USE B215 FORMAT DISKETTE HAVE SOME TROUBLE, SUGGEST YOU CHANGE DOS™ VERSION TO MS-DOS VERSION 3.3, OR PC-DOS™ VERSION 3.20 OR 3.3

IF YOU USE TWO DRIVER, PLEASE PULL UP THE DIP RESISTOR OF DRIVER B.

THE DETAILED FUNCTIONS AS FOLLOWS:

A. IT CAN BE USED ON THE FOLLOWING SYSTEMS

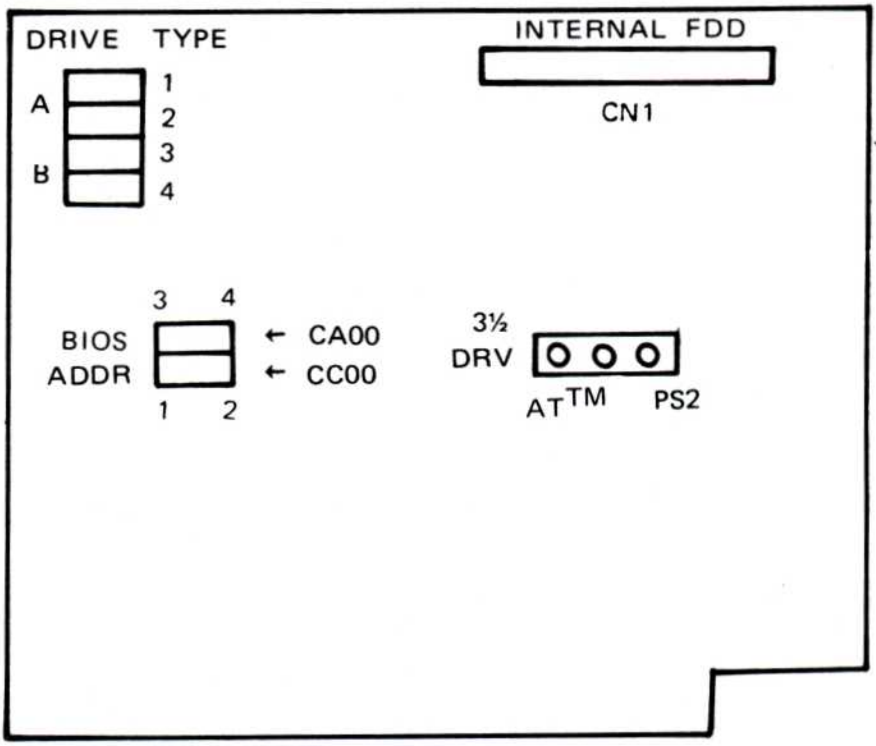
SYSTEM	CPU	CLOCK
PC™	8088	4.77MHZ
PC/XT™	8088	4.77MHZ/8MHZ/10MHZ
PC/XT™	8086	6MHZ/8MHZ
PC/AT™	80286	6M/8M/10M/12M/16MHZ
PC/AT™	80386	15MHZ/20MHZ/24MHZ

B. IT CAN CONNECT THE FOLLOWING FLOPPY DISK DRIVES.

SIZE	TRANSFER RATE	CAPACITY
5.25"	250 KBS	360 KBYTE
	300 KBS	360KB/1.2MBYTE
	500 KBS	1.2 MBYTE
3.5"	250 KBS	720 KBYTE
	250 KBS	720KB/1.44MBYTE
	500 KBS	1.44MBYTE

JUMPER FUNCTIONS SETTING:

FIG 2-1 THE B215 PHISCAL COMPONENT SIZE:



(A) DRV TYPE: DRIVE TYPE SELECTION DIP-SWITCH

DRV	TYPE	360K	1.2M	720K	1.4M
A	1	□-□	□ □	□-□	□ □
	2	□-□	□-□	□ □	□ □
B	3	□-□	□ □	□-□	□ □
	4	□-□	□-□	□ □	□ □

NOTE: □-□ is JP Close.

□ □ is JP Open.

DRIVE	BIT		DEFINE
	1	2	
DRIVE A:	□—□	□—□	360KB
	□—□	□ □	720KB
	□ □	□—□	1.2MB
	□ □	□ □	1.4MB

DRIVE	BIT		DEFINE
	3	4	
DRIVE B:	□—□	□—□	360KB
	□—□	□ □	720KB
	□ □	□—□	1.2MB
	□ □	□ □	1.4MB

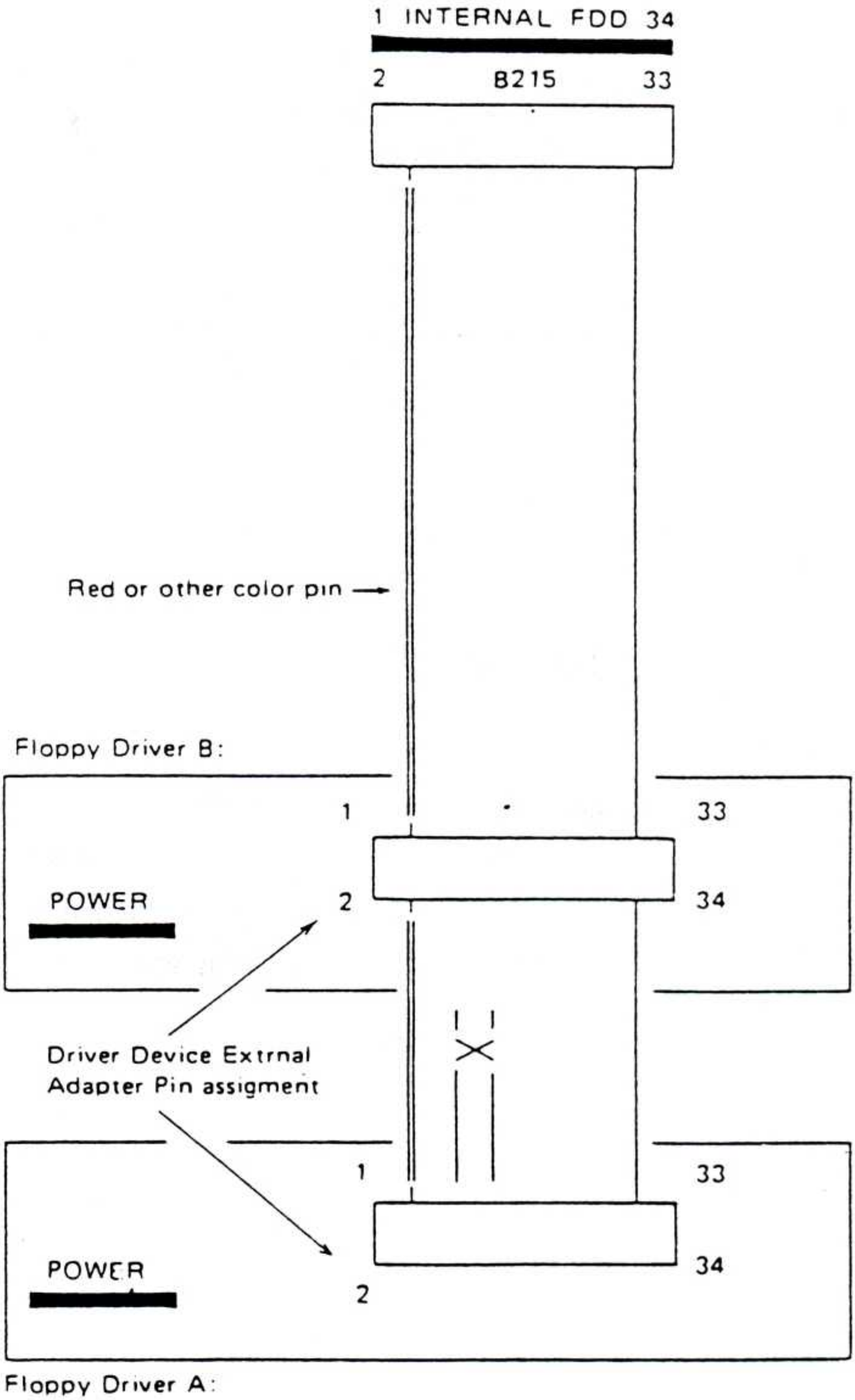
(B) INTERNAL FDD: Floppy Disk <DRV A: & B:> Cable Adapter

Floppy Driver Device Adapter

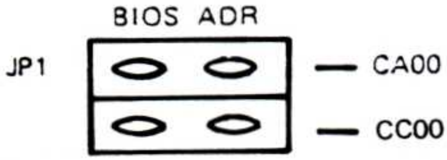
Signal	Pin
Ground-odd	1-33
Mode	2
Unused	4, 6
Index	8
Motor Enable A	10
Driver Select B	12
Driver Select A	14
Motor Enable B	16
Direction	18
Step Pulse	20
Write Data	22
Write Enable	24
Track 0	26
Write Protect	28
Read Data	30
Select Head	32
Diskchange	34

<INTERNAL FDD> Floppy Interface Adapter

CABLE CONNECTION:



(C) BIOS ADR: Floppy Disk BIOS Address Decoae Position



THE BIOS ADDRESS JUMPER IS SUPPORT FDC USED, OUR B215 ROM DECODE ADDRESS IS LOCATION <HAX> CA00 or CC00.

(D) 3½ DRV SELECTOR: 3½ FDD 1.44B TYPE SELECTOR

THIS JUMPER SELECT THE DRIVE TYPE OF THE 3.5" MINI-DRIVE, CONTROL DRIVE INTERFACE PIN-2. IF YOU DOESN'T KNOW WHAT THE TYPE YOUR DRIVE, PLEASE TEST SELECT JUMPER 'AT'™ & 'PS2'.